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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/874,627	06/04/2001	Ciaran McGloin	X-677-1P US	6593
24309	7590	06/17/2005	EXAMINER	
XILINX, INC ATTN: LEGAL DEPARTMENT 2100 LOGIC DR SAN JOSE, CA 95124			SHANKAR, VIJAY	
			ART UNIT	PAPER NUMBER
			2673	

DATE MAILED: 06/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/874,627

Applicant(s)

MCGLOIN ET AL.

Examiner

VIJAY SHANKAR

Art Unit

2673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 04 June 2001.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-6 is/are rejected.  
7) ☒ Claim(s) 7-10 is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 3-12-2004.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. Applicant's election with traverse of Group I drawn to Claims 1-10 in the reply filed on 3-25-2005 is acknowledged.

The requirement is still deemed proper and is therefore made FINAL.

2. Claims 11-32 are cancelled and withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected Groups II-IV, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 3-25-2005.

Applicant elected Claims 1-10 drawn to Group I and Cancelled non-elected Claims 11-32 drawn to Groups II-IV.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Shachar et al (5,764,736).

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Regarding Claim 1, Shachar et al teaches an electronic business card (200 in fig.2) configured to display at least one image to a user (Col.5, lines 30-60), the electronic business card comprising: a storage device configured to store the at least one image (Figs. 1-2; Col.7, lines 22-65; Col.9, lines 18-40); a display device (130 in fig.1) configured to display the at least one image (Figs. 1-2; Col.7, lines 22-65); and a processing device configured to read the least one image from the storage device and to display the at least one image on the display device (Summary; Figures 1-3; Column 7, lines 20- col.8, line 66; Col.9, line 19- Col.12, line 15).

Regarding Claims 2-3, Shachar et al teaches the electronic business card is sized approximately 2 by 3.5 inches; It will be inherent since the business card comes in size 2 by 3.5 inches, and the input device which the processing device responsive in order to allow the user to control display of the at least one image. (Figs. 1-2; Col.7, lines 22-65; Col.9, lines 18-40).

Regarding Claim 4, Shachar et al teaches the electronic business card wherein the at least one input device includes: FORWARD and BACK pads that, when activated by the user, cause images to be displayed in a forward or backward sequence, respectively (Figs.1-2; Col.9, line 18- col.10, line 60).

Regarding Claims 5-6, Shachar et al teaches the electronic business card wherein least one input device includes: a pad (col.7, lines 52-56) that, when activated by the user, causes a listing of the at least one image to be displayed on the display device (fig.1; Col.7, lines 38-58) , and further comprising at least one solar cell configured to provide power. (Figs.1-2; Col.9, line 18- col.10, line 60).

5. Claims 7-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is an examiner's statement of reasons for allowance: The prior art fails to teach the electronic business card wherein display device includes: a plurality of picture elements containing respective multi-chromic beads whose physical orientation is controlled by the processing device so as collectively form the at least one image; and a matrix of plural cells respectively containing the multi-chromic beads; and the plural cells further contain: a fluid that supports the multi-chromic beads so as to help retain respective physical orientations of the beads so that the multi-chromic beads continue to display the at least one image without further application of power; and the electronic business card further comprising: a row decoder and a column decoder, responsive to the processing device and configured to address individual picture elements and selectively control the physical orientation of respective multi-chromic beads as the picture elements in accordance with the at least one image from the storage device as claimed in Claims 7-10.

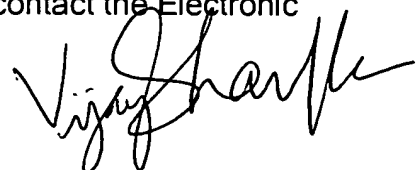
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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VIJAY SHANKAR whose telephone number is (571) 272-7682. The examiner can normally be reached on M-F 7:00 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BIPIN SHALWALA can be reached on (571) 272-7681. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



VIJAY SHANKAR  
Primary Examiner  
Art Unit 2673

VS